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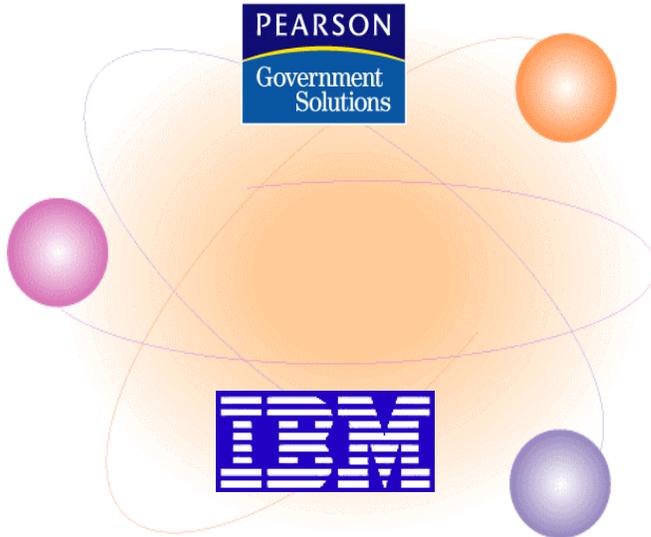
## **ED EA Meta-Model (v1.2)** **(with Supporting Documentation and Sample)**

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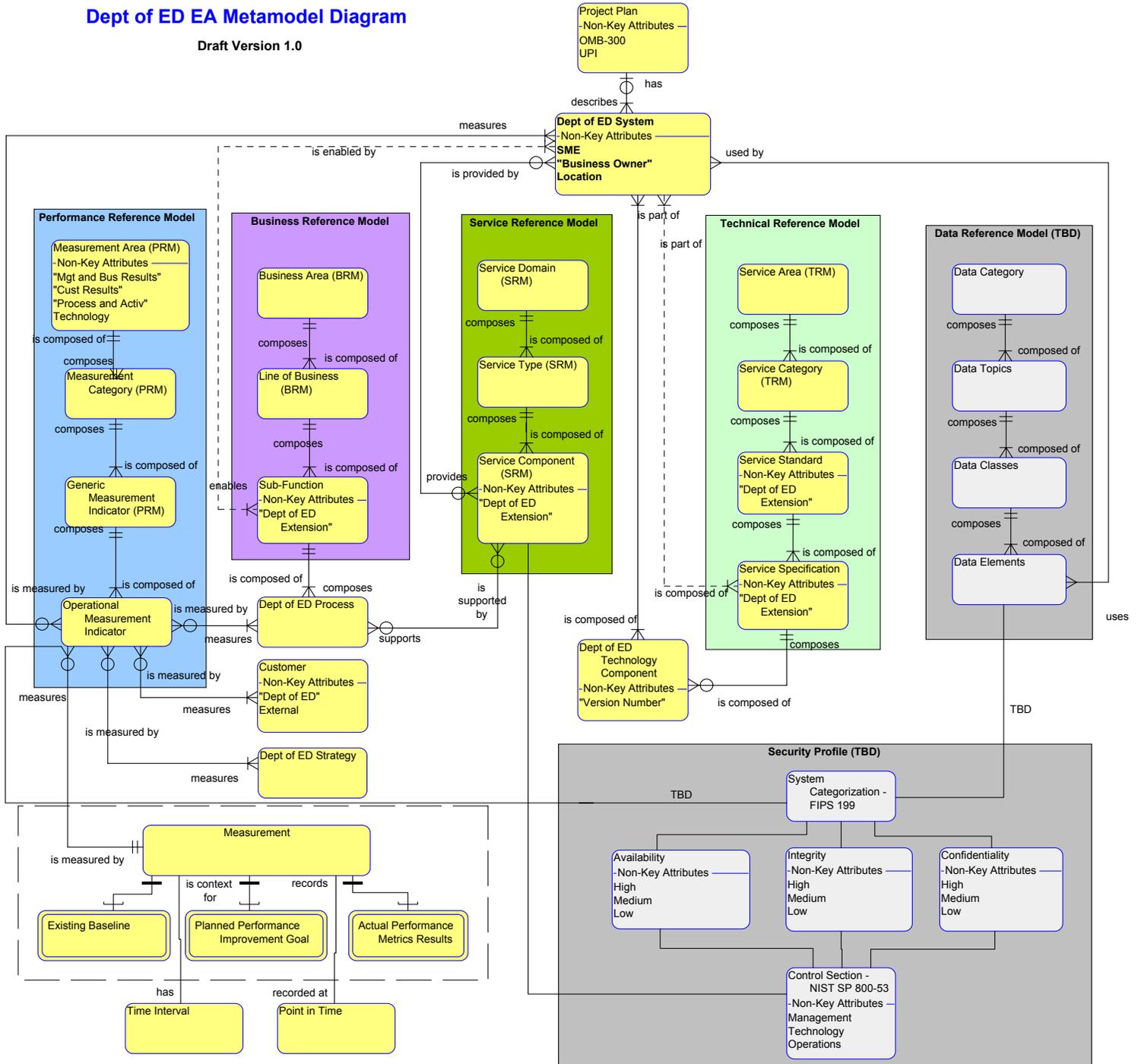


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**Version 1.2**  
**11/14/03**

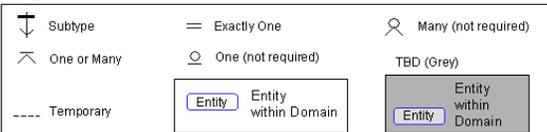
# ED EA Meta-Model (Draft V1.2)

## Dept of ED EA Metamodel Diagram

Draft Version 1.0



### Legend



# ED EA Meta-Model Diagram – Supporting Documentation

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## Overview

An Enterprise Architecture (EA) Meta-Model is a visual description summary of the items of information and their relationships, which will be maintained in the EA. The purpose of defining a Meta-Model is to enable consistent communication between EA architects during the EA modeling design phase, and then to guide the development of the corresponding System Architect EA modeling environment. Having these Meta-Model relationships defined enables the EA users to do the corresponding analysis and reporting on the various EA artifacts stored in the Repository.

The focus of this Meta-Model is to provide the Department of Education (ED) with a blueprint that can be used to develop the different EA Artifacts that capture Office of Management and Budget (OMB) Reference Model specific data, while leaving placeholders to tie this information with the overall ED EA components, including ED processes, strategies, and technology components, etc. This Meta-Model is intended to provide a standard approach for ED and its agencies to use to develop an overall integrated EA environment with consistent methodologies and templates. It will also enable the ED users to capture and report on the OMB Reference Model data for ED systems and for different EA Domains.

\* Note: The enclosed Meta-Model diagram is the current working draft, and will be refined as necessary based on upcoming discussions.

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# Meta-Model Concepts

## EA Domains

An EA Meta-Model is typically organized into areas of related concepts called EA Domains. The ED Meta-Model is comprised of four released OMB Reference Model Domains:

- Performance Reference Model
- Business Reference Model
- Service Component Reference Model
- Technical Reference Model

and two Reference Model Domains that are To Be Developed (TBD):

- Data Reference Model
- Security Profile.

\* Note: For the time being, the Data Reference Model and the Security Profile domains have been color coded as grey, and marked as TBD in the EA Meta-Model diagram. As OMB releases more information about these domains, they will continue to be defined and integrated with the other ED EA domains.

## Entities and Attributes

Within each domain are the information Entities and Attributes (additional details about the Entities) for which EA data will be collected.

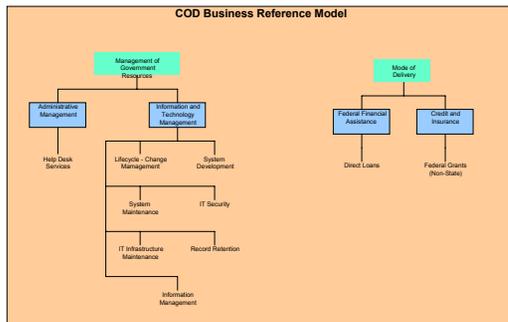
\* Note: Some Entities are outside the Reference Model Domains. These are either extensions to the OMB Reference Models (to capture missing OMB concepts needed by ED) or placeholders for additional future ED EA Entities. Attributes can also be extensions of OMB concepts or used to differentiate ED data items from the data items that are unique to each agency.

## Relationships

Relationships describe how different Entities can be modeled for visual diagramming and reporting purposes. Being Entities themselves, Relationships can also have Attributes. In addition, Relationships have descriptions on how the Entities to which they are attached are related (e.g., Entity A can be related to several instances of Entity B, but to only one instance of Entity C).

\* Note: In this version of the Meta-Model, there are several temporary relationships that will be used for ease of OMB Reference Model Reporting until the Placeholder Types are further defined. These temporary relationships are currently depicted as Dotted Lines in the EA Meta-Model.

\* Note: This is a Popkin working draft for Federal Student Aid's (FSA) Common Origination and Disbursement (COD) System, which comprises the BRM, SRM, & TRM. The PRM portion is TBD.



COD System - Reference Models Diagram

